

### Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

1. (currently amended) A medical device for delivering a medicament to a patient, comprising:

a syringe assembly comprising:

a barrel having a forward end and a rear end and defining a reservoir within which the medicament may be contained;

a needle cannula having a forward tip and being coupled to said forward end of said barrel and in fluid communication with said reservoir; and

a plunger having a first end with a stopper positioned in said reservoir and a second end having a thumb pad for receiving medicament delivery pressure for causing said plunger to move within said reservoir to expel the medicament from said reservoir;

a shield releasably mounted on a front portion of said barrel at a first position; and

an urging member for urging said shield in a forward direction relative to said syringe assembly, wherein one of said shield and said barrel defines ~~a track arrangement~~ two track arrangements on opposing sides of said one of said shield and said barrel, each of said track arrangements having an entry track having an end joined to a lockout track at an intersection, a first portion of said lockout track extending beyond said intersection to a first end of said lockout track and a second portion of said lockout track extending beyond said intersection to a second end of said lockout track, and the other of said shield and said barrel includes ~~a pin~~ pins arranged on ~~[[a]] resilient lever arm~~ arms and guidable in respective ones of said track ~~arrangement~~ arrangements,

said shield being movable by interaction with an area proximate a needle cannula insertion point on a patient's skin from said first position to a second position against the urgency of said urging member when said needle cannula is inserted into a patient for delivery of the medicament, wherein, in each of said track arrangements, said pin moving from a first pin position along said entry track at least to the intersection and into a second pin position in said lock-out track during movement of said shield from the first position to the second position, and

said shield being moveable from said second position to a third position by the urgency of said urging member upon removal of said needle cannula from said patient, wherein, in each of said track arrangements, said pin moving along said lockout track from said second pin position to a third pin position solely by the urgency of said urging member during movement of said shield from said second position to said third position, the forward ends of said lockout tracks being axially offset so that said shield is held askew relative to said needle cannula by the urgency of said urging member when said shield is in the third position, and

wherein said forward tip of said needle cannula is covered by said shield when said shield is in said third position, wherein said one of said shield and said barrel further comprises a blocking element arranged at said end of said entry track proximate said intersection in at least one of said track arrangement, said blocking element having a fixed blocking surface facing said lock-out track of said at least one of said track arrangements and blocking reentry of ~~said pin~~ the associated one of said pins into said entry track from said lock-out track.

2. (original) The medical device of claim 1, further comprising means for preventing said shield from moving back to said first position after said shield is moved to said second position.

3.-5. (canceled)

6. (currently amended) The medical device of claim 1, wherein said ~~pin is~~ pins are arranged proximate said free ~~end~~ ends of said lever ~~arm~~ arms.

7. (canceled)

8. (currently amended) The medical device of claim 1, wherein said blocking element of said at least one of said track arrangements further comprises an inclined surface facing said entry track, the one of said pin pins in said at least one of said track arrangements sliding over said inclined surface and bending said associated resilient lever as said pin in said at least one of said track arrangements slides over said inclined surface, thereby allowing movement of said shield from said entry track toward said lock-out track.

9. (previously presented) The medical device of claim 1, wherein said one of said shield and barrel comprises a locking device for locking the shield in said third position.

10. (currently amended) The medical device of claim 9, wherein said lock-out ~~track is~~ tracks are defined between first and second end surfaces at the first and second ends thereof, said ~~pin~~ pins being guided toward said first ~~end~~ ends when said shield is moved toward said third position, said locking device comprising a one-way step arranged proximate said first end of one of said lock-out ~~track~~ tracks such that ~~said pin~~ the one of said pins in said one of said lock-out tracks is arranged between said one-way step and said first end surface of said one of said lock-out tracks when said shield is in said third position.

11. (currently amended) The medical device of claim 10, wherein said one-way step comprises a blocking surface facing said first end of said one of said lock-out ~~track~~ tracks, said blocking surface preventing said ~~pin~~ one of said pins in said one of said lock-out tracks from moving from said first end toward said second end and thereby locking said shield in said third position.

12. (currently amended) The medical device of claim 11, wherein said one-way step comprises an inclined surface facing said second end of said one of said lock-out ~~track~~ tracks, said ~~pin~~ one of said pins in said one of said lock-out tracks sliding over said inclined surface as said shield moves toward said second position, thereafter allowing movement of said ~~pin~~ one of said pins in said one of said lock-out tracks toward said first end of said lock-out track.

13. (currently amended) The medical device of claim 1, wherein one of said entry track and said lock-out track of each of said track arrangements extends parallel to a longitudinal axis of said medical device.

14. (currently amended) The medical device of claim 13, wherein, in each of said track arrangements, said lock-out track extends parallel to the longitudinal axis of said

medical device and said entry track extends at least partially in the circumferential direction such that the shield rotates as the shield moves from said first position to said second position.

15. (currently amended) The medical device of claim 13, wherein, in each of said track arrangements, said entry track extends parallel to the longitudinal axis of said medical device and said lock-out track extends at least partially in the circumferential direction such that the shield rotates about the longitudinal axis as the shield moves from said second position to said third position.

16. (canceled)

17. (original) The medical device of claim 1, wherein said urging member is a spring.

18. (original) The medical device of claim 1, wherein said barrel is plastic.

19. (original) The medical device of claim 1, wherein said barrel is glass.

20. (currently amended) The medical device of claim 1, wherein said barrel comprises a cylindrical portion extending forward of said reservoir, said cylindrical portion defining said track ~~arrangement~~ arrangements.

21. (original) The medical device of claim 20, wherein said cylindrical portion is formed unitarily with said barrel.

22. (original) The medical device of claim 20, wherein said cylindrical portion is plastic and a remainder of said barrel is glass.

23. (currently amended) The medical device of claim 1, wherein, each of said ~~pin~~ pins comprises a radial projection.

24. (canceled)

25. (currently amended) A combination comprising a medical syringe and a safety shield assembly, said medical syringe comprising a barrel having a forward end and a rear end and defining a reservoir within which the medicament may be contained, a needle cannula having a forward tip and being coupled to said forward end of said barrel and in fluid communication with said reservoir, and a plunger having a first end with a stopper positioned in said reservoir and a second end having a thumb pad for receiving medicament delivery pressure for causing said plunger to move within said reservoir to cause the medicament to be expelled from said reservoir; and

said safety shield assembly comprising a shield releasably mounted on a front portion of said barrel at a first position, and an urging member for urging said shield in a forward direction relative to said barrel, wherein one of said shield and said barrel defines ~~a track arrangement~~ two track arrangements on opposing sides of said one said shield and barrel, each of track arrangements having an entry track with an end joined to a lockout track at an intersection, a first portion of said lockout track extending beyond said intersection to a first end of said lockout track and a second portion of said lockout track extending beyond said intersection to a second end of said lockout track, and the other of said shield and said barrel includes a radial ~~projection~~ projections arranged on ~~[[a]] resilient lever~~ arms and guidably inserted in respective ones of said track arrangement arrangements,

said shield being movable by interaction with an area on a patient's skin proximate a needle cannula insertion point from said first position to a second position against the urgency of said urging member when said needle cannula is inserted into a patient for delivery of the medicament, wherein, in each of said track arrangements, said radial projection moving from a first projection position along said entry track at least to the intersection and into a second projection position in said lock-out track during movement of said shield from the first position to the second position, and

said shield being moveable from said second position to a third position by the urgency of said urging member upon removal of said needle cannula from said patient, wherein said forward tip of said needle cannula is covered by said shield when said shield is in said third position, wherein, in each of said track arrangements, said radial projection moving in said lock-

out track from said second projection position to a third projection position solely by the urgency of said urging member during movement of said shield from the second position to the third position, the forward ends of said lockout tracks being axially offset so that said shield is held askew relative to said needle cannula by the urgency of said urging member when said shield is in the third position, and

wherein said one of said shield and said barrel further comprises a blocking element arranged at said end of said entry track proximate said intersection in at least one of said track arrangements, said blocking element having a fixed blocking surface facing said lock-out track of said at least one of said track arrangements, and blocking reentry of ~~said pin~~ the associated one of said pins into said entry track from said lock-out track.

26. (canceled)

27. (original) The combination of claim 25, wherein said barrel is plastic.

28. (original) The combination of claim 25, wherein said barrel is glass.

29. (currently amended) The combination of claim 25, wherein said barrel comprises a cylindrical portion extending forward of said reservoir, said cylindrical portion defining said track ~~arrangement~~ arrangements.

30. (original) The combination of claim 29, wherein said cylindrical portion is formed unitarily with said barrel.

31. (original) The combination of claim 29, wherein said cylindrical portion is plastic and the remainder of said barrel is glass.

32. (currently amended) A shield assembly for connection to a syringe barrel for preventing inadvertent needle sticks after use of the syringe, the shield system comprising a cylindrical portion connectable to a front end of the syringe barrel, a shield releasably mounted on said cylindrical portion at a first position, and an urging member for urging said shield in a

forward direction relative to the syringe barrel, wherein one of said shield and said cylindrical portion defines ~~a track arrangement~~ two track arrangements on opposing sides of said one of said shield and said barrel, each of said track arrangements, having an entry track with an end joined to a lockout track at an intersection, a first portion of said lockout track extending beyond said intersection to a first end of said lockout track and a second portion of said lockout track extending beyond said intersection to a second end of said lockout track, and the other of said shield and said cylindrical portion includes ~~a pin~~ pins arranged on ~~[[a]] resilient lever arm~~ arms and guidably inserted in said track ~~arrangement~~ arrangements,

said shield being movable by interaction with an area proximate a needle cannula insertion point on a patient's skin from said first position to a second position against the urgency of said urging member when a needle cannula of the syringe is inserted into a patient for delivery of the medicament, wherein, in each of said track arrangements, said pin moving from a first pin position along said entry track at least to the intersection and into a second pin position in said lock-out track during movement of said shield from the first position to the second position, and

said shield being moveable from said second position to a third position by the urgency of said urging member upon removal of the needle cannula from the patient to cover the tip of the needle cannula connected to the forward end of the syringe barrel, wherein, in each of said track arrangements, said pin moving along said lockout track from said second pin position to a third pin position solely by the urgency of said urging member during movement of said shield from said second position to said third position, the forward ends of said lockout tracks being axially offset so that said shield is held askew relative to said needle cannula by the urgency of said urging member when said shield is in the third position, and

wherein said one of said shield and said barrel further comprises a blocking element arranged at said end of said entry track proximate said intersection in at least one of said track arrangements, said blocking element having a fixed blocking surface facing said lock-out track of said at least one of said track arrangements and blocking reentry of ~~said pin~~ the associated one of said pins into said entry track from said lock-out track.

33. (original) The shield assembly of claim 32, further comprising means for preventing said shield from moving back to said first position after said shield is moved to said second position.

34.-36. (canceled)

37. (currently amended) The shield assembly of claim 32, wherein said ~~pin~~ pins is arranged proximate said free ~~end~~ ends of said lever ~~arm~~ arms.

38. (canceled)

39. (currently amended) The shield assembly of claim 32, wherein one of said entry track and said lock-out track of each of said track arrangements, extends parallel to a longitudinal axis of said medical device.

40. (currently amended) The medical device of claim 39, wherein, in each of said track arrangements, said lock-out track extends parallel to said longitudinal axis of said medical device and said entry track extends at least partially in the circumferential direction such that the shield rotates as the shield moves from said first position to said second position.

41. (currently amended) The medical device of claim 39, wherein, in each of said track arrangements, said entry track extends parallel to said longitudinal axis of said medical device and said lock-out track extends at least partially in the circumferential direction such that the shield rotates as the shield moves from said second position to said third position.

42. (canceled)

43. (currently amended) A medical device for delivering a medicament to a patient, comprising:

a syringe assembly comprising:

a barrel having a forward end and a rear end and defining a reservoir within which the medicament may be contained;

a needle cannula having a forward tip and being coupled to said forward end of said barrel and in fluid communication with said reservoir; and



a plunger having a first end with a stopper positioned in said reservoir and a second end having a thumb pad for receiving medicament delivery pressure for causing said plunger to move within said reservoir to cause the medicament to be expelled from said reservoir;

a shield releasably mounted on a front portion of said barrel at a first position, wherein one of said shield and said barrel defines ~~a track arrangement~~ two track arrangements on opposing sides of said one of said shield and said barrel, each of said track arrangements having an entry track having an end joined to a lockout track at an intersection, a first portion of said lockout track extending beyond said intersection to a first end of said lockout track and a second portion of said lockout track extending beyond said intersection to a second end of said lockout track, and the other of said shield and said barrel includes ~~[[a]] radial projection projections~~ arranged on ~~[[a]] resilient lever arm~~ arms and guidably inserted in respective ones of said track arrangement arrangements;

means for urging said shield in a forward direction relative to said syringe assembly;

means for retaining said shield in said first position;

means for allowing movement of said shield from said first position to a second position by interaction with a patient's skin and against the urgency of said urging member when said needle cannula is inserted into a patient for delivery of the medicament, wherein, in each of said track arrangements, said radial projection moving from a first projection position along said entry track at least to the intersection and into a second projection position in said lock-out track during movement of said shield from the first position to the second position; and

means for allowing movement of said shield from said second position to a third position by the urgency of said means for urging upon removal of said needle cannula from said patient, wherein said forward tip of said needle cannula is covered by said shield when said shield is in said third position, wherein, in each of said track arrangements, said radial projection moving in said lock-out track from said second projection position to a third projection position solely by the urgency of said urging member during movement of said shield from the second position to the third position, the forward ends of said lockout tracks being axially offset so that said shield is held askew relative to said needle cannula by the urgency of said urging member when said shield is in the third position, and

wherein said one of said shield and said barrel further comprises a blocking element arranged at said end of said entry track proximate said intersection of at least one of said track arrangements, said blocking element having a fixed blocking surface facing said lock-out track of said at least one of said track arrangements and blocking reentry of ~~said pin~~ the associated one of said pins into said entry track from said lock-out track.

44. (currently amended) The medical device of claim 2, wherein, in each of said track arrangements, said third pin position is at the first end of said lock-out track, and said pin is movable from said second pin position to the second end of said lock-out track after said pin enters said lock-out track at said second position, whereby said means for preventing prevents said pin from entering said entry track before said shield reaches a rearmost position of said shield relative to said syringe assembly.

45. (currently amended) The combination of claim 25, further comprising a blocking element in said entry track of at least one of said track arrangements preventing said shield from moving back to said first position after said shield is moved to said second position, wherein, in each of said track arrangements, said third pin position is at one of the ends of said lock-out track, and said pin is movable from said second pin position to the other one of the ends of said lock-out track after said pin enters said lock-out track at said second position, whereby said blocking element prevents said pin from entering said entry track before said shield reaches a rearmost position of said shield relative to said barrel.

46. (currently amended) The shield assembly of claim 32, further comprising a blocking element in at least one of said track arrangements preventing said shield from moving back to said first position after said shield is moved to said second position, wherein, in each of said track arrangements, said third pin position is at one of the ends of said lock-out track, and said pin is movable from said second pin position to the other one of the ends of said lock-out track after said pin enters said lock-out track at said second position, whereby said blocking element prevents said pin from entering said entry track before said shield reaches a rearmost position of said shield relative to said syringe barrel.

47. (currently amended) The medical device of claim 43, further comprising means for preventing said shield from moving back to said first position after said shield is moved to said second position, wherein, in each of said track arrangements, said third pin position is at one of the ends of said lock-out track, and said pin is movable from said second pin position to the other one of the ends of said lock-out track after said pin enters said lock-out track at said second position, whereby said means for preventing prevents said pin from entering said entry track before said shield reaches a rearmost position of said shield relative to said syringe assembly.

48. - 50. (canceled)